Title (en)

Transmission for transmitting rotational motion in both directions of rotation.

Title (de)

Getriebe für die Übertragung einer Drehbewegung in beiden Drehsinnen.

Title (fr)

Transmission pour le transfert d'un mouvement rotatif dans les deux sens de rotation.

Publication

EP 0497007 B1 19941123 (DE)

Application

EP 91122341 A 19911228

Priority

DE 9101110 U 19910201

Abstract (en)

[origin: EP0497007A1] For a gear for transmitting rotational motion in both directions of rotation, the gear being provided with a freewheel and catch in such a way that in the case of a power flux from the drive to the power take-off the gear is freely rotatable in both directions of rotation and locks when the power flux is reversed, in particular gear for seat adjustment in motor vehicles with a freewheel brake acting in both directions of rotation and composed of in each case one pair of clamping elements which are pressed by resiliently elastic elements into their locking position on wedge faces and in the case of rotation of the drive wheel are pressed out of their locking position by claws connected to said faces, the power take-off wheel preferably intermeshing eccentrically with an inner toothing with a high translation ratio on the part to be adjusted and drive wheel and power take-off wheel being mounted or being seated on a common hub, it is proposed that the clamping elements (10, 11) of the freewheel slide on the one hand on a hub (1) fixed to the frame and that the oblique faces (17, 18) for clamping the clamping elements (10, 11) of the freewheel are constructed on the inner face of a ring (15) which surrounds the hub (1 or 27) and is permanently connected to the surrounding power take-off wheel (6) and provided with projections (20) which engage in recesses (19) on the claws (13) of the drive wheel (2) in order to push the clamping elements (10, 11) out of their clamping position. <IMAGE>

IPC 1-7

B60N 2/22; B60N 2/44; F16D 43/02; F16D 41/10

IPC 8 full level

B60N 2/22 (2006.01); **B60N 2/225** (2006.01); **B60N 2/90** (2018.01); **F16D 41/10** (2006.01); **F16D 43/02** (2006.01); **F16H 31/00** (2006.01); **G05G 5/00** (2006.01)

CPC (source: EP US)

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DE102010043825A1; DE19750260A1; DE102013215073B3; FR2729346A1; DE19616664A1; DE19854945A1; EP0884494A1; DE19744944A1; US5896973A; FR2908355A1; DE19581436C1; DE19518424A1; DE19518424C2; EP0743221A3; EP0751030A1; EP0751031A1; EP0751032A1; EP0631901A1; US5947254A; EP0792723A3; US6508347B1; WO9515449A1; WO9620352A1; WO2012045714A2; US9051978B2; DE102010043825B4; DE102010031133A1; EP2363317A2; US8720661B2

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DOCDB simple family (application)

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